

LatheCity

When turning in an order we assume that you read, understood, and accepted our sales terms, disclaimer, and safety notes. Please direct any questions to the e-mail address below. Pricing is in U.S. dollars. Pricing usually includes the shipping costs; select the correct shipping option from the pull-down menus.

Business terms

Any legal action brought against LatheCity/Uwe Burghaus shall be tried in the State of North Dakota, Fargo, USA.

Books/CDs - Sales Terms

Books

1. You can look in the books before purchasing, i.e., the first pages can be downloaded in pdf file format from our website.
2. The content list is available too.
3. However, no returns of book orders.

Software

1. Short manuals for the software can be downloaded for free. Extended printed manuals come with the CD when purchased.
2. Demo versions of the programs can be downloaded for free, however, these demos will not allow you to save results and some of the features are blocked.
3. For books and software, as common and understandable: no returns of books or CDs (software).

Any questions or concerns: contact us before finalizing the purchase.

Tools: Lathe / Mill Accessories

1. Avoiding returns: read the manuals / documentation before ordering. That information is freely available from our website.
2. All accessories are for benchtop / tabletop hobby type lathes and mills.
3. Read the safety notes and disclaimer before ordering.
4. Our manuals do not replace training in the use of the accessories and or the use of a lathe and mill.
5. Returns within 4 weeks after order (in resalable condition) accepted. All shipping costs are up to the customer.

Bulk orders

Retailer, please read and acknowledge this section. We reserve the right to restrict quantities of ordered products. In any case, no returns of bulk orders, no financing via LatheCity, no commission sales. An order is considered as bulk order when purchasing price is the "bulk price" and/or quantities exceed three identical items. Request formal quotation and/or PayPal invoice for bulk orders. Pricing is in US dollars and is generally due at point of order. Shipping costs are generally for the US. All returns and customer service is handled by the retailer not by LatheCity. We do not offer warranty.

Payment options

None of our accessories or custom designs is intended to be used for transportation applications including but not limited to cars, motorcycles, airplanes, roller skates, bicycles, agriculture vehicles, etc., for civilian or military applications. Similarly none of our accessories or custom designs is intended to be used as components of weapons including but not limited to firearms for civilian or military applications. We herewith explicitly exclude any warrantee or liability if LatheCity products were used directly or indirectly or misused directly or indirectly for the above-mentioned applications (transportation, weapons).

We accept credit cards through our secure shopping cart, featured by the popular PayPal system.

- Further product options can be selected.
- You have not to be registered with PayPal - checkout as "guest" if you like. Click on "Don't have a PayPal account?"
- You can use any credit card and don't need a PayPal account.
- Push the "add to cart button" to add item to the shopping cart and follow checkout notes.
- Shipping costs will be added. Or, most cart buttons have pull-down menus which offer different shipping options. In that case, the total part + shipping is shown.

Any problems? E-mail us. We also can setup individual shopping buttons taking care of special circumstances such as custom orders.

These would be send to you via e-mail and would route you through the PayPal system. We do not accept directly credit cards.

Shipping

We want to generate as little as possible shipping and packing costs. Often we cover part of the shipping costs not to bother our customers or not to delay your orders due to inflexibility of the shopping cart system. We may use recycled shipping boxes, envelops etc. saving on shipping costs.

1. Standard catalog pieces are typically in stock (we manufacture the pieces in small badges) or they will typically be made within 1-5 business days (depending on work load, holidays, etc.). Most pieces are ready to ship.

2. You will see the total costs including shipping in the shopping cart. You still can cancel any order at this point.

3. Generally we ship with USPS. Typically 1st class. Some of our "buy now" buttons for the most popular items offer some shipping options (priority mail, media mail, international mail, ...). The total costs (part + shipping) is usually shown. However, generally shipping rates are US rates only unless otherwise noted. (International customers: see #6 below in this list.)

4. For the US, we use traceable mail. You will receive the tracking information via e-mail and/or find this in your PayPal, eBay, or Amazon account.

5. Local customers are encouraged to pick up orders - obviously no shipping or packing costs are raised in that case. Late and weekend pick-up can be arranged. Contact us in advance. (Our shopping cart for credit card orders is not flexible enough to recognize local customers automatically. We will reimburse overpaid shipping costs at time of pick up.)

6. We do ship also to international customers. (The shopping cart system accepts most non-US cards. Credit card companies charge currency exchange fees, typically about 1-3%.) However, in that case, the shipping costs can be significant. Please also note that you will need to cover all custom fees, broker fees, etc. We try to help, but it's up to the customer to determine these costs in advance. Note that custom fees (import tax etc.) may exceed the paper value of the ordered goods. Custom procedures can delay significantly the shipping process. [Details]

7. Media mail orders cannot be combined with other orders. That's a rule from the shipping company not ours.

8. Questions [contact] - eMail, don't call.

International Shipping

Shipping rates on our website are generally US rates unless otherwise noted.

In some cases, international shipping can directly be selected using the pull-down menus. (In that case the total costs are shown: parts + shipping.)

Non US customers may contact us in advance, please.

International shipping can be expensive. Ask for a quote in advance.

Greetings to our international customers.

Who is next?

Due to US export regulations we will not/cannot ship anything to certain countries. Sorry.

We will not declare wrong values on custom forms - don't even ask.

International shipment rates - check out by yourself

<https://www.usps.com/send/priority-mail-international.htm?>

<http://postcalc.usps.com/>

<http://www.fedex.com/us/>

<http://www.ups.com/index.html>

<http://www.ipparcel.com/>

General shipping terms are active and are given [here].

International orders generally ship without tracking and without insurance unless otherwise requested.

We do not reimburse or replace lost international orders.

For some products international shipping options are directly available via pull-down menus.

We charge what we pay.

If we have to purchase a shipping box, then please add \$3.00 for handling.

We can use a recycled shipping box which is for free.

Credit card companies charge currency transfer fees. Shipping companies may charge significant broker fees. (USPS typically does not.)

Import taxes may be raised. All these extra costs are up to the customer.

UK: tax free is apparently everything up to \$20 (double check this). If the item price is close to that we may be able to provide a discount, but we don't add wrong costs to custom forms.

Rates

- USPS is typically the cheapest.
- Typically between \$10 -\$30 for book packages.
- Tools can often ship for rates below that (e.g. \$6 for letters, e.g. \$15 for small packages) since most tools are small and not too heavy.
- For these rates tracking and insurance are not included. Otherwise it becomes insanely expensive. International tracking is available only for a few countries & only for priority mail.

Other option

- Do you have a friend traveling home at Xmas or whatever? He/she has to obey customs regulations, shipping regulations, and export regulations, sure.
- Turn in larger orders together with friends which may allow you to accept larger shipping costs (flat rate boxes have basically no weight limit).
- Specialized shipping/forwarding companies apparently exist in the US.

Confirmation

If we ship merchandise then we would scan and e-mail the receipt from the post office which gives you the price, shipping date, and a shipping confirmation. Or, we can generate a PDF file directly. However, no tracking and no insurance at these rates.

Payments

are handled with the PayPal system, as usual. We send you a link to PayPal via e-mail.

Do NOT mail credit card information. We CANNOT process foreign checks.

We will not reimburse or replace lost orders. How often that actually happens? We don't know. So far we have not lost anything.

Credit card fees raised by PayPal will be passed onto the customer also in case of a canceled order. For example, international customer purchased a LatheCity product, but asked for US shipping rate. Generally, we cannot do that, sorry. We will cancel the order and reimburse the order. However, PayPal will still charge credit card fees to the customer. The customer will cover these fees. If you are an international customer then please select the correct payment button for international shipment to the correct destination or contact us in advance for a quote. We can look up the exact shipping costs and shipping options case by case. Thanks.

Printed manuals are generally not included in international orders to save on shipping costs. Download manuals e.g. here. We can also e-mail manuals, most of them are free.

- For books and software, as common and understandable: no returns of books or CDs (software). You can also not purchase a cake, eat half of it and then return it since it was too sweet.
- Tools returns within 30 days (Factory direct) or 14 days (eBay) in resalable condition accepted. Money back or exchange, your choice. No questions asked. Customer will cover all shipping and packing costs (in both directions). Customer will cover all credit card fees raised by PayPal (we can also mail a check - mailing costs are up to the customer), taxes, broker fees, whatever fees are up to the customer. Ordered the wrong size, no problem, send it back, but see below.
- No returns of custom designs or customized items. You designed it you will keep it. details
- By the way, the return rate of our products is below 1%. See [feedback] at eBay.
- If you send items back we strongly suggest that you use traceable mail. So far nothing was ever lost in the mail, but certainly there is no guarantee for that. You may need to provide prove that you shipped the item, i.e., use traceable mail. The returned item is your property, i.e., we do not replace or reimburse lost returns. If you send back expensive items, one of a kind vintage lathe, adapter, whatever then you may want to use insured mail. The same holds true for items originally purchased from LatheCity, or items send in for a custom order. We sometimes measure or duplicate unusual parts, or get parts send in for repairs. In summary, the shipping to us is up to you including all risks and costs associated with it. Also shipping costs back to you are generally up to the customer.
- Credit card fees raised by PayPal will be passed onto the customer also in case of a canceled order. For example, international customer purchased a LatheCity product, but asked for US shipping rate. Generally, we cannot do that, sorry. We will cancel the order and reimburse the product price. However, PayPal will still charge credit card fees to the customer. The customer will cover these fees. If you are an international customer then select the correct payment button for international shipment or contact us in advance. Thanks.
- Credit card fees raised e.g. by PayPal will be passed onto the customer also in case of a canceled order. For example, international customer purchased a LatheCity product, but asked for US shipping rate. Generally, we cannot do that, sorry. We will cancel the order and reimburse the product price. However, PayPal will still charge credit card fees to the customer. The customer will cover these fees. If you are an international customer then select the correct payment button for international shipment or contact us in advance.
- Due to US export regulations we will not ship anything to certain countries.

Books - Disclaimer

The books about machining offered through LatheCity have been written carefully and all projects and procedures have been tested thoroughly. However, as always, the author and publisher cannot guarantee that the procedures are perfect and without any mistakes. Neither LatheCity nor its owner shall be liable for damage arising herefrom. In addition, it is impossible to predict and prevent all the possible problems someone may possibly run into when working with a lathe or milling machine. Using a motor tool can be dangerous and the proper use is the responsibility of the one who is using the tool. If you are not perfectly comfortable with working with motor tools, then don't do it! In this case, take a metal working class rather than following a do-it-yourself outline. Or, find a different hobby. The author cannot jump in if you make a mistake which results in harming yourself or damaging the tools you use. Don't use half broken or damaged tools, perhaps purchased for cheap at a 2nd hand store or who knows where. This would be overwhelming to handle in the beginning. Thoughtful work will be your responsibility. The author makes no representations or warranties with respect to the accuracy or completeness of the contents. The author is not a professional machinist or engineer. In fact, the author holds a PhD in physics and teaches physical chemistry at a college. Therefore, no information provided herein represents professional advice or best practices in machining. All information is provided to help hobbyists and other non-professionals gain a better understanding of using a mini benchtop lathe for hobby type work. The benchtop tools book series features in particular the Sherline lathe and accessories. However, none of the statements or procedures may coincide with Sherline Inc.'s opinion or interests. The author is not an employee of, or agent for any of the vendors referenced in the text and does not sell or represent any of the third party products discussed.

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None of our accessories or custom designs is intended to be used for transportation applications including but not limited to cars, motorcycles, airplanes, roller skates, bicycles, agriculture vehicles, etc, for civilian or military applications. Similarly none of our accessories or custom designs is intended to be used as components of weapons including but not limited to firearms for civilian or military applications. We herewith explicitly exclude any warranty or liability if LatheCity products were used directly or indirectly or misused directly or indirectly for the above-mentioned applications (transportation, weapons).

Trademarks used in our products (books, manuals, etc.) or used on this website:

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Tools - Disclaimer

Neither LatheCity nor its owner shall be liable for damage arising from misuse or unprofessional use of lathe and mill accessories. Training and experience is required to safely use power tools and accessories. Using a motor tool can be dangerous and the proper use is the responsibility of the one who is using the tool. If you are not perfectly comfortable with working with motor/power tools, then don't do it! Find a different hobby. Don't use half broken or damaged tools. Thoughtful work will be at your responsibility. The manufacturer is not a professional machinist or engineer. Therefore, no information provided in manuals represents professional advice or best practices in machining. All information is provided to help hobbyists and other non-professionals gain a better understanding of using the accessories. Read the safety notes and follow these and other relevant safety procedures. Neither LatheCity nor its owner shall be liable for damage arising from unprofessional use or misuse of LatheCity accessories. Max RPM 1800 for most accessories, some accessories have max RPM of 100! Replace set screws with Nylock screws in case that heavy vibrations can be expected.

Any legal action brought against LatheCity/Uwe Burghaus shall be tried in the State of North Dakota in Fargo, USA. WARRANTY: we do not provide any warranty for our products. In no event shall LatheCity's liability exceed the purchase price paid for the product. We shall in no event be liable for death, injuries to persons or property or incidental, contingent, special or consequential damage arising from the use of our products.

None of our accessories or custom designs is intended to be used for transportation applications including but not limited to cars, motorcycles, airplanes, roller skates, bicycles, agriculture vehicles, etc, for civilian or military applications. Similarly none of our accessories or custom designs is intended to be used as components of weapons including but not limited to firearms for civilian or military applications. We herewith explicitly exclude any warranty or liability if LatheCity products were used directly or indirectly or misused directly or indirectly for the above-mentioned applications (transportation, weapons).

Website disclaimer

We try our best to keep our web sites current and error free. However, if you find incorrect information please notify us. We will correct the mistake immediately. We will not accept, however, incorrect prices listed by mistake. In addition, we cannot be responsible for errors in information provided on our web sites. If anything is in question, please contact us directly. Our web site is designed using Adobe Dreamweaver keeping the design, however, rather simple. It can be viewed with Microsoft Internet Explorer on a common standard size screen or laptop. Pages may not appear as intended when viewed in other programs or on unusual screen sizes.

Safety Notes

LatheCity sells books about metal working. When you go through our shopping cart and purchase those book or when you send in a check we assume that you read, understood, and acknowledge the following and other required safety rules. Neither LatheCity or its owner shall be liable for any damage arising from not obeying these or other relevant safety rules.

Please note that initially you may be at a higher risk than folks doing this for living since you will be on your own. Typically hobbyists do not attend safety classes or safety briefings. Therefore, at least read the following.

When it comes to safety the "buddy system" is essential. Actually, nobody should work alone with motor tools. This is obviously difficult to organize for a hobbyist. Therefore, you are at a higher risk and have to manage the risk yourself.

However, everyone can learn how to work safely with motor/power tools. In one of the safety briefings I attended, the instructor, a professional machinist, outlined almost proudly how many accidents he had throughout his career ... well ... I still have all my fingers and would like to keep it that way. What about you? Therefore, READ the following general safety notes and hints about how to prepare yourself before switching on your lathe. **PLEASE, take this seriously it only takes 20 minutes.** The following text is also included in any LatheCity book about metal work. Specific safety notes for every procedure are part of every subchapter. Naturally the notes in the beginning are more extensive and become shorter towards the end of the book since I assume that you learn safe working practice along with the operation of your motor tools. (In addition, safety concerns are often similar for different procedures.) This is one of the main goals and part of the title of this hobby machinist books: "Safe working ..."

Working at a public university myself, I have to participate regularly in safety classes and I am at present (2011) in fact the safety liaison for our chemistry department. However, again I am a hobbyist myself when it comes to metal work. I still have all 10 fingers and two eyes, but there is no legal guarantee that the following notes are complete or even correct. **Read the disclaimer notes.**

- **Use safety glasses.** Chemistry goggles, have the disadvantage that they may block your vision too much which again can generate a safety hazard. You need comfortable glasses and perfect vision. Glasses approved for metal would need to be closed all around the face (at the top, sides, and bottom) and in the U.S. they have the label **ANSI Z87** on them. Some versions additionally block UV light

which was interesting to me, since I also work with glass pieces, using glue hardened by a UV lamp. In any case, a UV filter is better for our eyes, I believe.

- At most safety briefings you may come across the term “**situation awareness**”, as a general strategy to reduce risks. Knocking over a leg of a storage rack when walking through a metal shop, which carries 500 pounds of steel, would not be it. Heavy footwear is unfortunately very uncommon except in an industrial setting. (We also don’t want to overdo it in a hobby shop.)
- Let someone know that you are working in your garage and/or basement. Why? First, you are setting up “a buddy system” in doing so. Second, you are making sure that nobody disturbs you at a critical moment, startling you from behind.
- Have a working phone in reach. Check if your cell phone is working properly in your basement. Where is the closest hospital/emergency room? Emergency number in the U.S. is? Right, 911. At some locations the number may be different.
- Make your shop kid safe. Talk to your kids about the risks. Make sure that they do not sneak around a corner and surprise you when the lathe is running, etc. They often don’t see the difference between “playing” and “safe working practices.”
- Read the application notes and manuals that came with the tools and/or accessories before starting to use them. Learn the applications and limitations as well as the specific potential hazards of every tool.
- Don’t use a tool for a purpose it was not designed for.
- Don’t modify a tool yourself.
- Don’t push a tool beyond the limits it was designed for. A mini metal lathe is designed to work on small metal stock.
- Don’t modify the electrical connections of your tools. Electrically ground all tools. If a tool is equipped with a three-prong plug, then it should be plugged into a three-hole receptacle. If an adapter is used to accommodate a two-prong receptacle, the adapter wire must be attached to a ground connection.
- Don’t remove safety guards. Keep guards in working order. Don’t remove safety guards. However, the little safety shields that sometimes come with a lathe provide only very limited protection. Use always safety glasses, in any case.
- Make it a habit of checking to see that keys and adjusting wrenches are removed from the chuck before turning on any machine/lathe. In the case of a lathe, turn the spindle by hand before turning on the lathe making sure that it runs freely. Don’t underestimate the power and torque generated even by a benchtop lathe. A key left behind in a chuck can easily fly off traveling at a significant speed for 10 ft. (3 meters) or more. Full size lathes used to train students professionally are often equipped with **spring lock chuck keys (self-ejecting keys)**. These pop out of the chuck when not pushed down, i.e., it’s impossible to leave them in the chuck unintentionally.
- Cluttered work areas and benches are a safety hazard. This is indeed true.
- Do not use power tools in damp or wet locations. This can be an issue for garage or basement shops. Solve the problem if it exists at your location.
- Keep work area well illuminated. This is extremely important for safety issues and any proper work. Do you need new glasses?
- All visitors should be kept at a safe distance from the work area.
- Again make your workshop kid proof. Use padlocks, master switches, remove starter keys. This is of particular concern for hobby work, correct (?) I would in principle encourage you to awaken the interests of young adults for practical and creative work. Fortunately, perhaps in this case, many of them prefer to play dull computer games instead. However, teaching young adults to work with metal tools is particularly difficult and a major safety hazard for everyone involved in this process. At least don’t do this in the very beginning. You must be very confident yourself, first. Make sure that they are old enough and have no access to the tools alone.
- Again, do not force tools or attachments to do a job for which they were not designed. Use the proper tool for the job.
- Avoid loose clothing, necklaces, gloves, or jewelry that could become caught in moving parts. We all know this, but taking care of it every day is another thing.
- By the same token, fluffy cloth appears to attract small cut off metal pieces like a magnet. They stick deep in the fabric and can scratch you fingers and skin.
- Wear protective head gear to keep long hair styles away from moving parts! It takes milliseconds to pull you into the running chuck if something gets caught in the chuck. A benchtop system is safer in this regard than a full size system, I guess, but ... (A lathe running at 1600 RPM makes 26 RPsec or ~40 milli seconds for one revolution.)
- Use safety glasses i.e. goggles designed for metal work. Yes, this is on the list more than once.
- Use a face or dust mask if cutting operation is dusty.
- When using a metal grinder you will generate sparks. Use a full face shield and goggles for these operations. Make sure not to have lots of cardboard boxes, gas containers for you snow blower / lawn mower, paint, solvents, etc. in your basement or garage hobby shop. The sparks generated by grinders or metal saws can ignite a fire. It may start to burn long after you left the shop ... Full face shields often have a plastic foil on the shield which needs to be peeled off. Otherwise the shield may not be transparent – just a note in case you didn’t realize.
- Use clamps or a vise to hold work. It is much safer than using your hand and frees both hands to operate the tool. This is more of an issue for the use of a drill press, milling machine, or saws than for a lathe, but it must be included here.
- Keep your proper footing and balance at all times. Wet floor? Cable? This is dangerous.
- Keep tools sharp and clean for best and safest performance. Follow instructions for lubrication and changing accessories.
- Use only recommended accessories. Read the manual carefully and completely. Use of improper accessories may be hazardous.
- Unplug tool before servicing and when changing accessories such as blades, bits or cutters. Definitely.
- Make sure switch is "OFF" before plugging in a power cord. Double check.
- Again turn spindle by hand before switching the motor of the lathe on. This ensures that the work piece or chuck jaws will not hit the lathe bed, saddle or cross-slide, and also ensures that they clear the cutting tool.

- It is not recommended that the lathe be used for grinding. The fine dust that results from the grinding operation is hard on bearings and other moving parts of your tool. For the same reason, if the lathe or any other precision tool is kept near an operating grinder, it should be kept covered when not in use. I do occasionally use a polishing sponge (safer than sandpaper) to polish pieces, but I don't overdo it.
- Make sure that all locking and driving attachments are tightened. However, also be careful not to over tighten these adjustments. They should be just tight enough. Over tightening may damage threads or warp parts, thereby reducing accuracy and effectiveness.
- Don't allow long stock pieces to stick out far in back of the spindle of the lathe. Long, thin stock that is unsupported and turned at high RPM can suddenly bend and loop around.
- Wear proper safety glasses. All folks working for living in metal shops can unfortunately tell you stories such as this one: a piece of metal hit the backside of glasses (somehow) and the reflected piece hit the eye of the machinist. They had to pull the piece out of his eye in a hospital. This is not a joke. You need safety glasses specified for metal work, even if you wear optical glasses. You need glasses fully closed at the sides, the top, and bottom. Goggles that fit over optical glasses are often not very comfortable and restrict the vision. These are better than nothing, but you can purchase goggles with optical lenses. If you work every day in your shop, then invest the money to purchase really comfortable and safe glasses. Your eyes are worth the investment.
- This may sound as a talk to a teenage girl/boy, but ... you need proper eye protection before you switch on the lathe for the first time. Safety glasses are perhaps the most important safety feature in a metal shop. Don't start without them with any work on a lathe. Any home improvement store carries them.
- Don't work when you are tired. Rushing home, having a heavy dinner and a few beers, then going down to the basement shop in your house ... obviously not a good idea. Don't do it. Metal work requires your full attention, even if it is a hobby.
- You may realize that the fingers of the machinist are really close to the spindle when cutting certain shapes, in particular when you eventually polish pieces. The edges of the chuck are sharp and turn at perhaps 1800 RPM. It would cause very serious injuries when hitting the rotating chuck with your fingertips. Using a sanding sponge is somewhat safer than using sand paper for polishing since you can even touch the chuck with the sponge and the fingertips are still at an OK distance. Sanding sponges are available in any home improvement store.
- One last thing. Please be aware of that you will carry chips (small cut off metal pieces) with you all over your house. Don't ask how – chips stick to everything, somehow. Aluminum chips are rather soft and perhaps less dangerous, but steel chips are sharp as raiser blades. Never clean up chips with your bare fingers, never (not even with aluminum).
- This kind of list can never be complete. Read the disclaimer statement.
- Safety notes can also be found on various web sites, a few links are given here:
http://www.mini-lathe.com/Mini_lathe/lathe_safety.htm
<http://www.zeraware.com/>
http://www.americanmachinetools.com/how_to_use_a_lathe.htm
http://www.fricknet.com/lp/safety_posters.php?gclid=CPTW6ZfFhaYCFQTNKgodFQoIpA
 Safety products can also be purchased on-line, for example, perhaps look at:

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